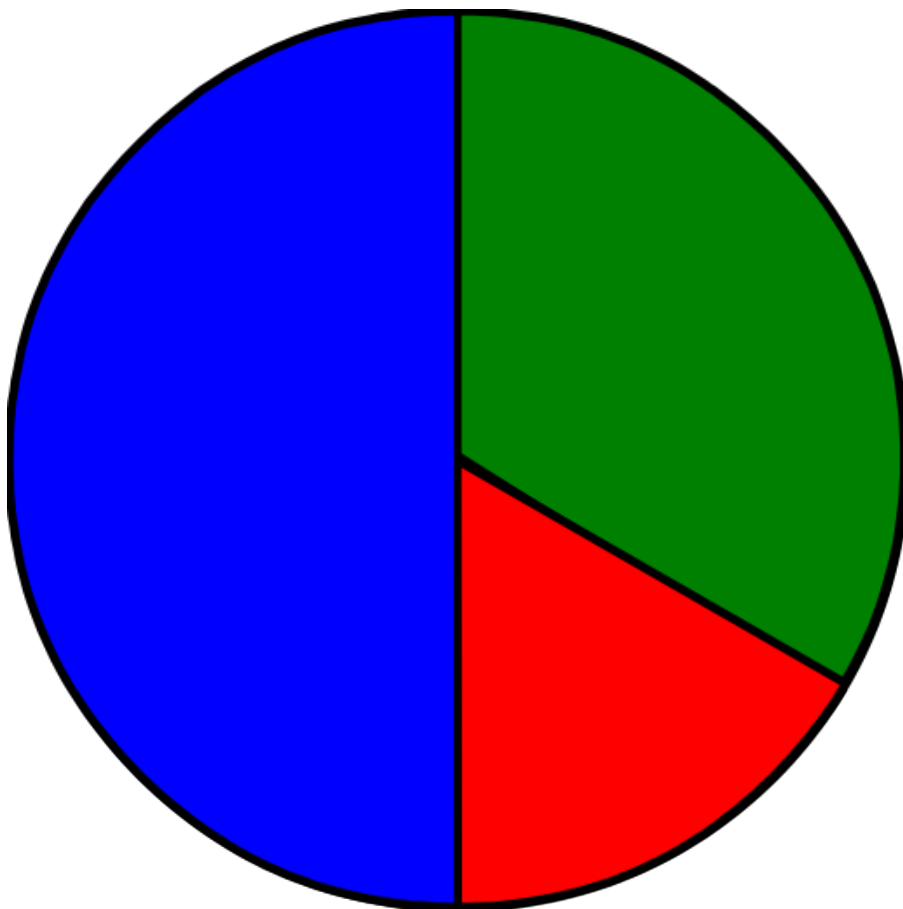


8.2.1

Reading and Constructing Circle Graphs



Steps for Constructing Circle Graphs

- 1. Calculate the percentages for each category. (Use a proportion!)**
****Make sure percentages add up to 100%.**
- 2. Calculate the degrees for each sector. (Set up another proportion!)**
****Make sure degrees total 360°**
- 3. Draw a radius in your circle. (Use a RULER!)**

- 4. Create sectors using the degrees you calculated in Step 2.** (Use your protractor for the angles and a ruler for the STRAIGHT lines!).
Repeat until all sectors are drawn
- 5. Title your circle graph and label each sector with the category name and percentage.**
- 6. Color your graph - a different color for each sector.**

Stride

25

100

25 · 360

9,000
100

90°

~~1~~

=

=

=

X

360

100 · X

100 · X
100

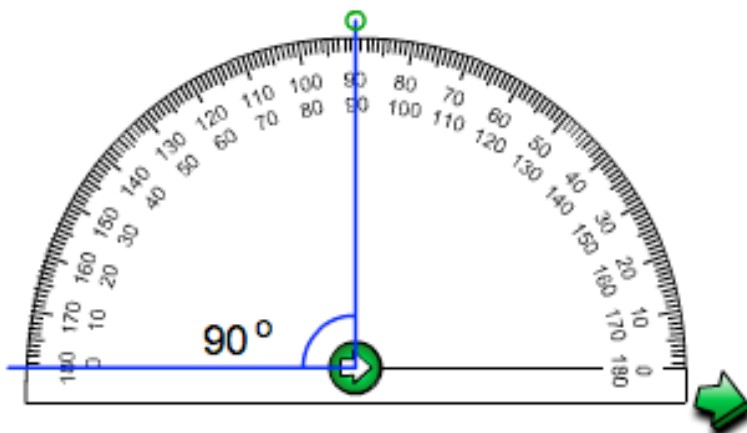
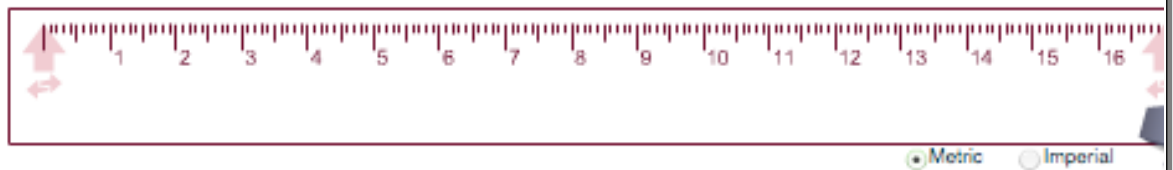
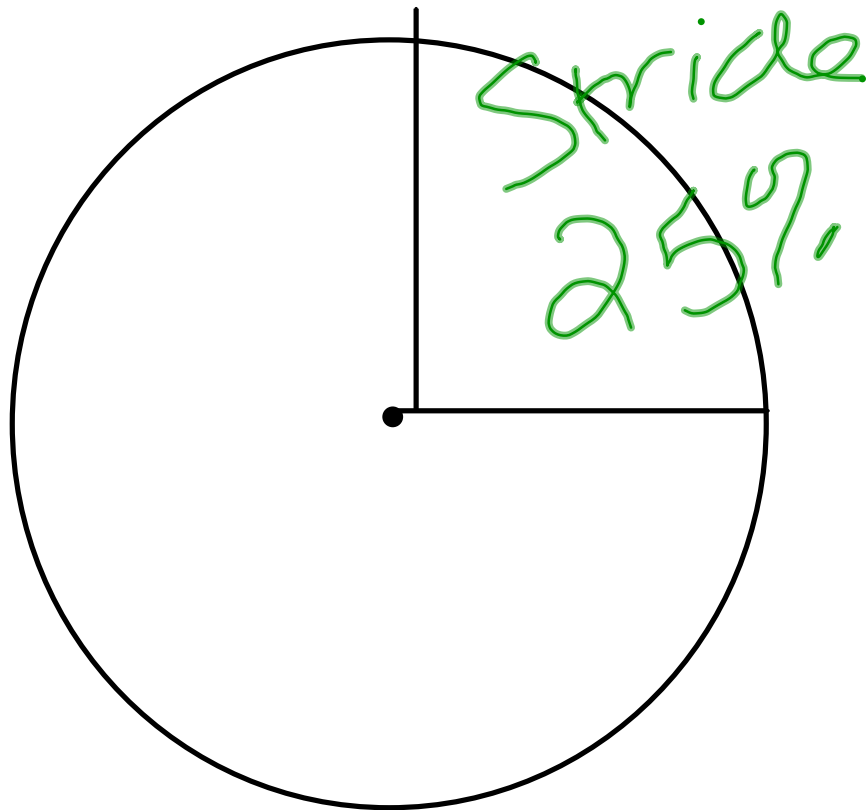
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Now, let's try this!

600 7th & 8th graders at FPMS were asked what their favorite kind of gum is. Create a circle graph to display the results.

Gum	Number	Percent	Degree
Stride	150	25%	90°
5 Gum	192	32%	115°
Bazooka	60	10%	36°
Trident Layers	108	18%	65°
Bubble Yum	90	15%	54°

Totals



Gum Choice of FPMS kids

